

# **DIGITAL RELIABILITY MONITOR HAVING AUTOMATIC REPAIR AND NOTIFICATION CAPABILITY**

## **ABSTRACT**

An integrated circuit, including: a pulse generator adapted to generate a pulsed  
5 signal; a cycle counter adapted to count cycles of the pulsed signal; one or more  
repairable circuit elements; and a repair processor adapted to repair a repairable circuit  
element when the cycle counter reaches a pre-determined cycle count.